

INDIRECT MEASUREMENT OF DILUENTS IN
A MULTI-COMPONENT NATURAL GAS

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GAS MIXTURE CHARACTERISTIC	RANGE OF GAS MIXTURE CHARACTERISTIC
MOLECULAR WEIGHT, M [LBM/LB-MOL]	16.33 - 19.52
IDEAL SPECIFIC GRAVITY, G_{id} [$M/28.9625$]	0.564 - 0.674
STANDARD VOLUMETRIC HEATING VALUE $H_{v,std}$ [BTU/REAL SCF AT 60°F, 14.73 PSIA]	987 - 1150
C ₆ + CONCENTRATION [mol %]	0.0009 - 0.100
TOTAL DILUENT CONCENTRATION [mol %]	0.968 - 7.40
METHANE [mol %]	83.42 - 98.27
ETHANE [mol %]	0.516 - 9.53
PROPANE [mol %]	0.161 - 3.57
ISO-BUTANE [mol %]	0.0355 - 0.647
N-BUTANE [mol %]	0.0237 - 0.432
ISO-PENTANE [mol %]	0.0094 - 0.167
N-PENTANE [mol %]	0.0063 - 0.112
N-HEXANE [mol %]	0.0003 - 0.0654
N-HEPTANE [mol %]	0.0000 - 0.0260
N-OCTANE [mol %]	0.0000 - 0.0235
CARBON DIOXIDE [mol %]	0.0330 - 6.00
NITROGEN [mol %]	0.0330 - 6.00

FIG. 1

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FIG. 2

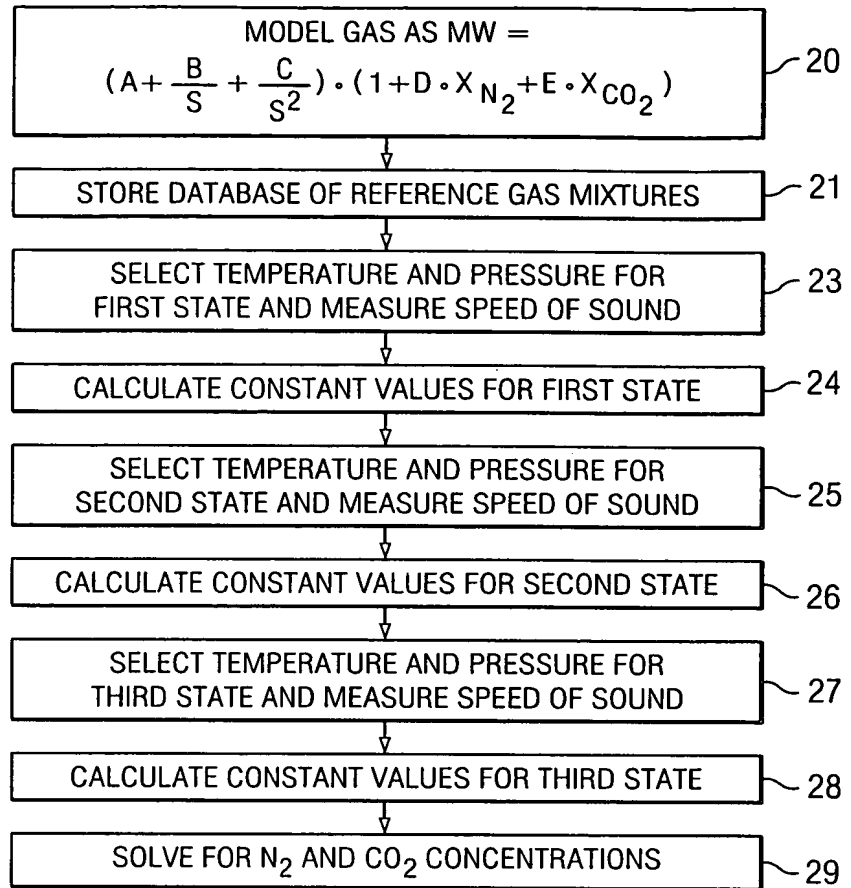


FIG. 3

